

UFe₂ and U₆Fe formation heats

S/089/62/013/006/008/027
B102/B186

[O] < 3·10⁻³ wt% and [Be] < 0.001 wt%. Phase composition analysis showed that UFe₂ contained 98.63±0.11 wt% pure UFe₂, 0.80 wt% Fe, 0.55 and 0.02 wt% admixture phases due to U and Fe, respectively. The heats were measured in a calorimeter similar to that described in Atomnaya energiya, 5, no. 2, 166, 1958. The reaction vessel (110 cm³) was made of zirconium, the reaction chamber was filled with argon. The formation heat was $-\Delta H_{298}^0 = 7.7 \pm 0.3$ kcal/mole. The U₆Fe formation heat was calculated from the relation $UFe_2 + 11U = 2U_6Fe + 0cal.$ and 3.9 kcal/mole is obtained. The error does not exceed 30%. There are 3 tables.

SUBMITTED: April 3, 1962

Card 2/2

IVANOV, M.I.; PODOL'SKAYA, N.S.; GALKIN, I.N.

Dissolution calorimeter with an oscillating reaction vessel.
Zhur.fiz.khim. 36 no.8:1838-1841 Ag '62. (MIRA 15:8)
(Calorimeters)

PODOL'SKAYA, O. I.

23480. POVYSHENIYE GRUNTOVOY VSKHOZHESTI SEMYAN I USKORENIYE ROSTA SEYANTSEV
(DLYA LESNYKH POSADOK). DOKLADY AKAD. NAUK SSSR, NOVAYA SERIYA, T.
LXVII, N^o 3, 1949, c. 573-75

SO: LETOPIS' NO. 31, 1949.

PODOL'SKAYA, G.I.

"Increasing the Soil Germination of Seeds and Speeding the
Growth of Seedlings," Dok. AN, 67, No. 3, 1949.

PODOL'SKAYA, O. I.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

(1)
/ Increasing soil germination of seeds and accelerating growth of seedlings. O. I. Podol'skaya. *Doklady Akad. Nauk S.S.S.R.* 67, 573-5 (1949).—The seeds of Eastern white cedar (*Biota orientalis*) (I), walnut (*Juglans regia*) (II), and Canadian Judas tree (*Cercis canadensis*) (III) were treated with aq. solns. of $MgCl_2$, $KMnO_4$, and (or) KNO_3 , $MgSO_4$, and $(CH_3COOH)_2$. After this, the seeds were washed, aerated, and sown; the dry and water-wet seeds were used as a control. The percentage of germination, and height of the stems, diam. of the rootstocks, and dry wt. of the stems and leaves (at the end of the vegetation period) of the seedlings were used in a statistical evaluation of the results. The effect of the seed treatment was significant for I and II, but not for III. The germination was increased in I and II (25-61%) (relative) and the vegetative organs 2-3-fold. $(CH_3COOH)_2$ and $MgCl_2$ were highly effective in increasing the germination, while $KMnO_4$, $MgCl_2$, and KNO_3 increased the vegetative organs.

E. Wierbicki

PODOL'SKAYA, YE., ENG.

Steel--Testing

Determining the ductility of steel by the macroenamel hydrogen test. Vest.mash. 32,
no. 2, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, OCTOBER 1952. UNCLASSIFIED.

LEBEDEVA, K.V.; MEL'NIKOV, N.N.; PODOL'SKAYA, R.S.

Organic insectofungicides. Part 81; Mechanism of the oxidation
of aldrin to dieldrin with hydrogen peroxide in acetic acid.
Zhur. ob. khim. 35 no.7:1307-1310 J1 '65. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
sredstv zashchity rasteniy.

5(2)

AUTHORS:

SOV/75-14-3-19/29
Shat'ko, P. P., Vasina, N. T., Podol'skaya, V. I.,
Malkina, L. A., Ponomareva, T. F.

TITLE:

Determination of Micro Amounts of Arsenic by Using a Solution
of Bivalent Chromium (Opredeleniye mikrokolichestv mysh'yaka
s primeneniye rastvora dvukhvalentnogo khroma)

PERIODICAL:

Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 3, pp 358-359
(USSR)

ABSTRACT:

The reduction of the ions of the pentavalent arsenic is carried out on freshly precipitated metallic copper as collector. The copper is precipitated by means of chromium salts and dissolved again with iron ammonium alum, the residue consisting of metallic arsenic is determined iodometrically in the usual way. The method permits the determination of 0.02 mg As in 100-200 ml. It was checked on standard samples of bronze and brass. In the analysis of copper alloys a preceding addition of CuSO_4 is not necessary. Tin, lead and other components of bronze and brass do not disturb. There are 1 table and 11 Soviet references.

Card 1/2

Determination of Micro Amounts of Arsenic by Using a Solution of Bivalent
Chromium

SOV/75-14-3-19/29

ASSOCIATION: Luganskiy gosudarstvennyy meditsinskiy institut
(Lugansk State Medical Institute)

SUBMITTED: June 26, 1958

Card 2/2

PODOL'SKAYA, Ye. I.

PODOL'SKAYA, E. I.

Method of roentgenographic diagnosis of cancer of the lungs. Sovet.
med. No. 7, July 50. p. 10-2

1. Of the Central Oncological Institute imeni P. A. Gartsen
(Director—Prof. A. I. Savitskiy).

GLML 19, 5, Nov., 1950

PODOL'SKAYA, Ye.V. --

"The Problem of Hydrogen Distribution in a Metal and Its Effect on the Structure and Plasticity of Iron-Carbon Alloys." Cand Tech Sci, Central Sci-Res Inst of Technology and Machine Building, Moscow 1954. (RZhKhim, No 19, Oct 54)

Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

RODIONOVA, K.F.; PODOL'SKAYA, Ye.V.

Occurrence of various forms of sulfur and iron in Devonian deposits
of the central region of the Russian Platform as evidence of geochemical
formations. Trudy VNI no.9:139-164 '56. (MLRA 10:1)
(Russian Platform--Geology, Stratigraphic)

PODOL'SKAYA, Ye. V.

Shumovskiy, Ye. G. and Podol'skaya, Ye. V. "The adhesive power of aluminum alloys (al'kysin) to steel budings", Vestnik mashinostroyeniya, 1948, No. 12, p. 14-15

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

PODOL'SKAYA, Ye. V.
RODIONOVA, K.F., PODOL'SKAYA, Ye. V., VOLODCHENKOVA, A.I.

Geochemistry of terrigenous Devonian deposits in the southeastern
Tatar A.S.S.R. Trudy VNI no. 9:164-204 '56. (MIRA 10:1)
(Tatar A.S.S.R.---Geology, Stratigraphic)
(Geochemistry)

PODOL'SKAYA, Ye.V.; RODIONOVA, K.F.

Forms of sulfur and iron found in pre-Devonian deposits in the
central section of the Russian Platform. Trudy VNI no.4:101-116
'54. (MIRA 9:1)
(Russian Platform--Sulfur) (Russian Platform--Iron ores)

PODOL'SKAYA, YE. YA.

Pneumothorax

Application of artificial pneumothorax in preoperative period. Klin. med. 30 No. 7, 1952 .

9. Monthly List of Russian Accessions, Library of Congress, December 1958, ²Unclassified.

PODOL'SKAYA, Ye.Ya., kandidat meditsinskikh nauk

Errors in roentgenodiagnosis of primary pulmonary cancer; data
from the P.A.Hertzen State Oncological Institute. Vest.rent.i rad.
no.1:32-37 Ja-F '55.
(MLRA 8:5)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav.prof.Ye.B.Abarbanel')
Gosudarstvennogo onkologicheskogo insituta imeni P.A.Gertsena (na-
uchnyy rukovoditel' instituta chlen-korrespondent Akademii meditsin-
skikh nauk SSSR prof. A.I.Savitskiy, i.o.direktora kandidat medi-
tsinskikh nauk V.V.Gorodilova.
(LUNGS, neoplasms,
diag., x-ray, errors, hosp. statist.

PODOL'SKAYA, Ye.Ya., starshiy nauchnyy sotrudnik.

Roentgenologic diagnosis of teratodermoid formations of the
mediastinum. Vop.onk. 1 no.2:72-78 '55 (MLRA 8:10)

1. Iz rentgeno-dagnosticheskogo otdeleniya (zav.prof. Ye.E.
Abarbanel') Gosudarstvennogo onkologicheskogo instituta im.
P.A.Gertsena (dir. D-r med.nauk A.N.Novikov; nauchn.rukovod.
chl.korr. AMN SSSR prof. A.I.Savitskiy)

(TERATOMA,
mediastinum, diag.,x-ray)
(MEDIASTINUM, neoplasms
teratoma, diag.,x-ray)

PODOL'SKAYA, Ye.Ya. (Moskva, tsentr. Malokomsomol'skiy per., d.4, kv.1)
GOL'BERT, Z.V. (Moskva, 100 Strel'bichenskiy per., 16, kv.1)

Comparison of X-ray data with the anatomy of resected lung segments
in primary bronchial cancer. Vop.onk. 2 no.2:166-172 '56. (MIRA 10:3)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav. - prof. Ye.B.
Abarbanel') i patologoanatomicheskogo otdeleniya (zav. - Z. V.
Gol'bert) Gosudarstvennogo onkologicheskogo instituta im. P.A.Gertsena
(dir. - prof. A.N.Novikov; nauch. rukovod. - chlen-korrespondent AMN
SSSR prof. A.I.Savitskiy)

(BRONCHI, neoplasms

surg., comparison of preop. x-ray with anat. of resected
segments)

PODOL'SKAYA, Ye.Ya. (Moskva, Tsentr, Malyy Komsomol'skiy per., d.4, kv.1);
MARONSHTEIN, S.Ya. (Moskva, K-9, Suvorovskiy bul'var, d.6, kv.30-a)

Role of bronchography in the diagnosis of bronchial cancer [with
summary in English]. Vop.onk. 3 no.4:423-429 '57. (MIRA 10:11)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav. - prof. Ye.E.
Abarbanel') Gosudarstvennogo onkologicheskogo instituta im. P.A.
Gertsena (dir. - prof. A.N.Novikov, nauchn.rukov. - chlen-korrespon-
dent AMN SSSR prof. A.I.Savitskiy)
(BRONCHI, neoplasms,
x-ray diag. (Rus))

PODOL'SKAYA, Ye. Ya. (Moskva, TSentr, Mal. Komosomol'skiy per., 4, kv. 1)

X-ray demarcation of peripheral cancer of the lung and tubercu-
loma. Vop. onk. 8 no.3:12-17 '62. (MIRA 15:4)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav. - prof. Ye. E.
Abarbanel') Gosudarstvennogo onkologicheskogo instituta im.
P. A. Gertsena (dir. - prof. A. N. Novikov)

(LUNGS—CANCER) (TUBERCULOSIS)
(DIAGNOSIS, RADIOSCOPIC)

PODOL'SKAYA, Ye.Ya.; MATSNEVA, L.I.

Role of various X-ray and clinical symptoms and examination methods
in the diagnosis of peripheral pulmonary cancer. Khirurgia 41 no.4:
17-23 A- '65. (MIRA 18:5)

1. Rentgeno-dagnosticheskoye otdeleniye (zav. - doktor med. nauk
Ye.A. Likhtenshteyn) Onkologicheskogo instituta imeni Gertsena,
Moskva.

PODOL'SKAYA, Yevgeniya Yakovlevna; STARICHKOV, M.S., red.;
LYUDKOVSKAYA, N.I., tekhn.red.

[X-ray diagnosis of primary lung cancer] Rentgenodiagnostika
pervichnogo raka legkogo. Moskva, Medgiz, 1962. 150 p.
(MIRA 15:5)

(LUNGS—CANCER) (DIAGNOSIS, RADIOSCOPIC)

PODOL'SKAYA, YE. YA., DOC MED SCI, "^{X-Ray}~~Roentgen~~ DIAGNOSIS
OF LUNG CANCER.?" MOSCOW, 1961. (STATE SCI RES ROENTGENO-
RADIOLOGICAL INST, ~~ME~~ MIN OF HEALTH] RSFSR). (KL, 3-61,
228).

PODOL'SKIKH, N.

Instruction takes place in the field. Prof.-tekh. obr. 22
no. 12:20-21 D '65 (MIRA 19:1)

PA 32/49T50

PODOL'SKIY, PROF.

USSR/Engineering
Construction Materials
Bibliography

Sep/Oct 48

"Review of Feshl's 'Resistance in Materials,'"
Prof Podol'skiy, Dr Tech Sci, 1 $\frac{1}{2}$ pp

"Vest Inzhener i Tekhnik" No 5

Reviews unfavorably. Can see no reason for
publishing a poor translation of a mediocre
book by a German scientist.

FDB

32/49T50

~~PODOL'SKIY~~ A. [Podol'skiy, A.] (Sovjetunio)

Antarctica research in the Soviet Union. Term tud kozl
4 no. 5:218-221 My '60.

PODOL'SKIY, A. (Kemerovo)

Molding a new person. Sov.shakht. 13 no.2:28-29 F '64. (MIRA 17:3)

PODOL'SKIY, A. (Col.)

"preflight training of an aerial gunner-radio operator in radio communications,"
The Herald of the Air Fleet, 1952.

PODOL'SKIY, A., general-polkovnik aviatsii

Programmed instruction, a creative matter. Kom. Vooruzh. 811
46 no.10:25-30 My '65. (MIRA 18:6)

1. Zamestitel' glavnokomanduyushchego Voyskami protivovozdushnoy
oborony strany po boyevoy podgotovke.

SOURCE CODE: UR/0069/66/028/004/0498/0503
24

ACC NR: AP7003496

AUTHOR: Dianov, D. B.; Podol'skiy, A. A.; Turubarov, V. I.

ORG: Leningrad Institute of Electrical Engineering im. V. I. Ul'yanov (Lenin)
(Leningradskiy elektrotekhnicheskiy institut); Leningrad Institute of Aviation
Instrument Making (Leningradskiy institut aviatsionnogo priborostroyeniya)

TITLE: Aerosol particle drift in a sound wave of finite amplitude

SOURCE: Kolloidnyy zhurnal, v. 28, no. 4, 1966, 498-503

TOPIC TAGS: aerosol, standing wave, traveling wave

ABSTRACT: Among a number of works which have appeared in the last few years on the theory of aerosol particle drift in a sound field is a monograph by Ye. P. MEDNIKOV, showing that under certain conditions a predominant role is played by drifts caused by periodic change in the viscosity of the medium in the case of a traveling wave and by asymmetry of vibrations in the case of a standing wave. The purpose of the present article is to consider these questions in greater detail, using the method of transformation of coordinates.

UDC: 541.182.026.21.3
0024

Card 1/3

L 10799-67

ACC NR: AP7003496

The following approximate equation of motion is given for an aerosol particle in a finite-amplitude sound wave:

$$m \frac{du_p}{dt} + 6\pi\eta r u_p = 6\pi\eta r \left[\xi_0 \omega \cos \omega \left(t - \frac{x_p}{c} \right) - \frac{\xi_0^2 \omega^2}{2c} + \frac{\xi_0^2 \omega^2}{2c} \cos 2\omega \left(t - \frac{x_p}{c} \right) - x_p \frac{\xi_0^2 \omega^2 (\gamma + 1)}{4c^2} \sin 2\omega \left(t - \frac{x_p}{c} \right) \right], \quad (5)$$

The authors then derive the following formula for the case of a traveling wave:

$$\bar{u} = -\frac{\xi_0^2 \omega^2 q^2}{2c} + \frac{\gamma - 1}{4c} \xi_0^2 \omega^2 q^2 = -\frac{3 - \gamma}{4c} \xi_0^2 \omega^2 q^2.$$

and the following formula for the case of a standing wave:

$$\bar{u} = \frac{\mu q \xi_0^2 \omega^2}{4c \sin^2 kl} \sin 2k(l - x) - \frac{(\gamma - 1) \mu q \xi_0^2 \omega^2}{8c \sin^2 kl} \sin 2k(l - x) = \frac{(3 - \gamma) \mu q \xi_0^2 \omega^2}{8c \sin^2 kl} \sin 2k(l - x). \quad (17)$$

Expressions (10) and (17) are used to calculate the dependence of drift velocity on particle radius.

The authors conclude that the drift of an aerosol particle in a finite-amplitude sound wave consists of two additive drifts caused respectively by

Card 2/2

ACC NR: AP7003490

anharmonicity of the vibrations in Eulerian coordinates and by periodic change in the viscosity of the medium. The results obtained by the authors agree with results based on the formulas of S. S. DUKHIN, whose method involves solving an exact equation of particle motion. The authors assert that this indicates the correctness of using an approximate equation of motion, based on the use of coefficients of particle streamline and entrainment.

Orig. art. has: 2 figures and 17 formulas. [JPRS: 38,970]

SUB CODE: 20 / SUBM DATE: 02Apr65 / ORIG REF: 007 / OTH REF: 002

Card 3/3

L 40/17-65 EPP(m)-2/VED(b)-3/ENT(1)/ENT(m) Pu-4 IJP(c) WW/3D

S/0046/65/011/001/0115/0116

ACCESSION NR: AP5006181

AUTHOR: Denisov, A. S.; Podol'skiy, A. A.; Turubarov, V. I.

TITLE: Dragging of aerosol particles in a sound field at Reynolds numbers smaller than or equal to unity

SOURCE: Akusticheskiy zhurnal, v. 11, no. 1, 1965, 115-116

TOPIC TAGS: aerosol, coagulation, Reynolds number, sound field

ABSTRACT: An equation for the vibrational velocity of an aerosol particle dragged by a gas medium in an acoustic field (orthokinetic coagulation) was derived on the basis of the Brandt-Hiedemann equation (O. Brandt, H. Freund, E. Hiedemann, Kolloid. Z. 1936, v. 77, no. 1, 103-111) modified by introducing the Oseen correction for the resistance of the medium. The original Brandt-Hiedemann equation holds for Reynolds numbers $Re < 0.5$ and the purpose of the article was to extend the results to Re close to unity. The equation was solved with an MN-7 analog computer. The solution shows that the Oseen correction leads to a slight change in the phase angle between the velocity of flow around the particle and the vibrational velocity.

Card 1/2

L 40717-65

ACCESSION NR: AP5006181

ty of the gas medium, and to an increase in the degree of dragging of the particle by the medium. The drag coefficient is shown to be dependant on the Reynolds number, and its rise with increasing Re when $0.5 < Re < 1$ is equivalent to an apparent decrease in frequency by a factor $(1 + 3Re/8)$. Orig. art. has: 1 figure and 3 formulas.

ASSOCIATION: Leningradskiy institut aviatsionnogo priborostroyeniya (Leningrad Institute of Aviation Instruments)

SUBMITTED: 04Mar64

ENCL: 00

SUB CODE: MS

NR REF SOV: 000

OTHER: 001

Card 2/2 *mb*

FEDOROV, Ye.P., doktor fiz.-matem. nauk, otv. red.; PODOL'SKIY, A.D.,
red.; BRUZGUL', V.V., tekhn. red.

[Preliminary results of research on latitude variations and
polar motions; collection of articles] Predvaritel'nye re-
zultaty issledovaniy kolebaniy shirot i dvizheniya poliusov zemli;
sbornik statei. VIII razdel programmy MGG (shiroti i dolgoty).
Moskva, Izd-vo Akad. nauk SSSR. No.2. 1961. 151 p. (MIRA 14:12)

1. Akademiya nauk SSSR. Mezhdunarodnyy komitet po provedeniyu
Mezhdunarodnogo geofizicheskogo goda.
(Latitude variation)

MONAKHOV, F.I.; PASECHNIK, I.P.; SHEBALIN, N.V.; PODOL'SKIY, A.D.,
red.; MAKUNI, Ye.V., tekhn.red.

[Seismic and microseismic observations at Soviet stations
during the International Geophysical Year] Seismicheskie
i mikroseismicheskie nabljudeniia na sovetskikhstantsiakh
v period MGG. Moskva, Izd-vo Akad.nauk SSSR, 1959. 37 p.
(MIRA 12:7)

(International Geophysical Year, 1957-1958)
(Seismology--Observations)

AVSYUK, G.A., doktor geogr. nauk, otv. red.; PODOL'SKIY, A.D., red.; BRUZ-
GULS, V.V., tekhn. red.

[Glaciological research during the International Geophysical Year]
Gliatsiologicheskie issledovaniia v period MGG; sbornik statei.
IX razdel programmy MGG (gliatsiologiya). Moskva, No.1. 1959.
100 p. (MIRA 14:8)
1. Akademiya nauk SSSR. Mezhdunarodnyy komitet po provedeniyu
Mezhdunarodnogo geofizicheskogo goda.
(Glaciology)

GORBUSHINA, G.N., kand.fiz.-matem.nauk, otv.red.; PODOL'SKIY, A.D.,
red.; POLYAKOVA, T.V., tekhn.red.

[Ionospheric research; collection of articles] Issledovaniia
ionosfery; sbornik statei. V razdel programmy MGG (ionosfera).
Moskva. No.5. 1960. 112 p. (MIRA 13:12)

1. Akademiya nauk SSSR. Mezhdunarodnyy komitet po provedeniyu
Mezhdunarodnogo geofizicheskogo goda.
(Ionospheric research)

ZUBOV, N.N.; KOZITSKIY, N.I.; PODOL'SKIY, A.D., red.; GUS'KOVA, O.M.,
tekh.n.red.

[Participation of the Soviet Union in the Second International
Polar Year, 1932-1933] Uchastie Sovetskogo Soyuza v provedenii
Vtorogo Mezhdunarodnogo poliarnogo goda, 1932-1933. Moskva,
Izd-vo Akad.nauk SSSR, 1959. 33 p. (MIRA 12:11)
(International Polar Year, 2d, 1932-1933)

PODOL'SKIY, A. D.

GINDIN, Ye.Z.; LBYKIN, G.A.; LOZINSKIY, A.M.; MASEVICH, A.G.; AL'PERT, Ya.L.;
CHUDASSENKO, N.F.; SHAPIRO, B.S.; GAIKIN, A.M.; GORLOV, O.G.; KOTOVA,
A.P.; KOSOV, I.I.; PETROV, A.V.; SEKOV, A.D.; CHERNOV, V.N.;
YAKOVLEV, V.I.; MIKHAYLOV, A.A., otvetstvennyy red.; BERN'KOVA, N.P.,
doktor fiz.-mat. nauk, otvetstvennyy red.; SILKIN, B.I., red.;
PODOL'SKIY, A.D., red.; PRUSAKOVA, T.A., tekhn. red.

[Preliminary results of the scientific research on the first
Soviet artificial earth satellites and rockets; collection of
articles in the 11th section of the IGY program (rockets and
satellites)] Predvaritel'nye itogi nauchnykh issledovaniy s
pomoshch'yu pervykh sovetskikh iskusstvennykh sputnikov zemli
i raket; sbornik statei (XI razdel programmy MGO - rakety i
sputniki). Moskva, Izd-vo Akad. nauk SSSR. No.1. 1958. 148 p.
(MIRA 11:10)

1. Russia (1923- U.S.S.R.) Mezhdunarodnyy komitet po
provedeniyu Mezhdunarodnogo geofizicheskogo goda. 2. Glav-kor-
respondent AN SSSR (for Mikhaylov).

(Atmosphere, Upper-Rocket observations)
(Artificial satellites)

MIRKOTAN, S.F., otv.red.; PODOL'SKIY, A.D., red.; BRUZGUL', V.V.,
tekhn.red.

[Drifts and inhomogeneities in the ionosphere; a collection of
articles] Dreify i neodnorodnosti v ionosfere; sbornik statei.
V razdel programmy MGG (ionosfera). Moskva. No.1. 1959. 69 p.
(MIRA 14:7)

1. Akademiya nauk SSSR. Mezhduevedomstvennyy komitet po prove-
deniyu Mezhdunarodnogo geofizicheskogo goda.
(Ionosphere)

KHVOSTIKOV, I.A.; BEN'KOVA, N.P., doktor fiz.-matem. nauk, otv. red.;
MIRTOV, B.A., kand.viz.-matem.nauk, otv. red.; VERSTAK, G.V.,
red.; ISAKOVICH, T.D., red.; PODOL'SKIY, A.D., red.; POLENOVA,
T.P., tekhn. red.

[Papers]Sbornik statei. Moskva, Izd-vo Akad. nauk SSSR.
No.11[Physics of ozonosphere and ionosphere]Fizika ozono-
sfery i ionosfery. 1963. 662 p. (MIRA 16:2)

1. Akademiya nauk SSSR. Mezhdovedomstvennyy geofizicheskiy ko-
mitet. V razdel programmy MGG.

(Atmosphere, Upper)

Podolskiy A. D.

15082* (Accelerating the Washing of Sulfate Cellulose in Diffusers.) *Iskrennie promyivki sulfatnoi tsellulozy v dif. fuzorakh.* V. S. Solonko and A. D. Podolskiy. *Bumazhnaya Promyshlennost*, v. 29, no. 4, Apr. 1954, p. 15-17. Comparing operating conditions and diffuser efficiencies. Tables, diagrams.

L 26153-66 JT/JKT
ACC NR: AN6014175 (N) SOURCE CODE: UR/9023/65/000/102/0003/0003
AUTHOR: Podol'skiy, A. (Deputy commander-in-chief of the PVO land forces, Colonel
general of aviation) 25
ORG: none B
TITLE: Vigilant guardian of Soviet skies [Soviet antiaircraft troops]
SOURCE: Sovetskiy patriot 22 Dec 65, p. 3, col. 1-7
TOPIC TAGS: military training, antiaircraft defense
ABSTRACT: In an article aimed at pre-induction youth, the author lauds Soviet anti-
aircraft forces for their skill accuracy, physical fitness, and preparedness. The
author pays tribute to DOSAAF organizations for assisting youth to acquire technical
skills of benefit to the armed forces.
SUB CODE: 15/ SUBM DATE: 00/ ORIG REF: 000/ OTH REF: 000

Card 1/1 CC

ACC NR: AN6021964

(N)

SOURCE CODE: UR/9308/66/0007163/0002/0002

AUTHOR: Podol'skiy, A. (Lieutenant general of aviation; Deputy commander-in-chief; Anti-aircraft defense forces)

ORG: none

TITLE: Educational plan—a state affair [Training of antiaircraft defense forces]

SOURCE: Krasnaya zvezda, 22 Jul 66, p. 2, col. 1-3

TOPIC TAGS: antiaircraft defense, military training

ABSTRACT: Deputy Commander-in-Chief of the Antiaircraft Defense Forces, A. Podol'skiy, in an article describing the accomplishment of an antiaircraft-defense exercise, writes that various new weapons are being introduced into the antiaircraft defenses. New methods of rapidly introducing new weapons are being sought. At present, the new "line" ("setevoy") method has proved to be the best. [WS]

SUB CODE: 15, 05/ SUBM DATE: none

Card 1/1 blg

PODOL'SKIY, A., general-polkovnik aviatsii

Radiotechnical troops on combat watch. Kozm. Vooruzh. Sil 3
no.16:38-43 Ag '63. (MIRA 16:9)

1. Zamestitel' Glavnokomanduyushchego voyskami Protivovozdushnoy
oborony strany.
(Radio, Military)

KOREYSHA, Mikhail Mikhaylovich; SHUMSKIY, P.A., doktor geogr. nauk, otv. red.;
PODOL'SKIY, A.D., red.; RYLINA, Yu.V., tekhn. red.

[Collection of articles of the Intergovernmental Committee
for the Execution of the International Geophysical Year]
Sbornik statei Mezhdudomstvennogo komiteta po provedeniiu
Mezhdunarodnogo geofizicheskogo goda. Moskva, Izd-vo AN SSSR.
No. 11 [Modern glaciation of the Suntar-Khayata Range] Sovremen-
noe oledenenie khrebtta Suntar-Khaiata. 1963. 153 p.

(MIRA 17:2)

1. Akademiya nauk SSSR. Mezhdudomstvennyy komitet po prove-
deniyu Mezhdunarodnogo geofizicheskogo goda. IX razdel prog-
rammy MGG. Glatsiologiya.

SOLOMKO, V.S.; PODOL'SKIY, A.D., nachal'nik varochnogo tsekha.

Accelerated washing of sulfate cellulose in diffusers. Bum.prom. 29 no.4:
15-17 Ap '54. (MLRA 7:6)

1. Glavnyy inzhener Solombal'skogo tsellyulozno-bumazhnogo kombinata
(for Solomko). (Wood pulp) (Papermaking machinery)

KOPYLOV, Yu.M.; PODOL'SKIY, A.D., red.; GUS'KOVA, O.M., tekhn.red.

[Soviet stations for the observation of cosmic rays] Sovetskii
stantsii kosmicheskikh luchei. Moskva, Izd-vo Akad.nauk SSSR,
1960. 30 p. (MIRA 13:3)
(Cosmic rays) (Geophysical observatories)

COMMON ELEMENTS										COMMON VARIABLES INDEX									
bc Stability of chlorinated Nemo. M. Agnew and B. Ponomarev (Ukrain. Chem. J., 1931, 6, [Tech.], 115-121). The stability of CaOCl_2 is adversely affected by Fe_2O_3 in the CaO used for its prep. A more stable product is obtained if cold than if heated Cl_2 is used, whilst previous passage through active C is without effect. (Ukrain. Chem. J., 1931, 6, [Tech.], 115-121).																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
SECTION 1										SECTION 2									
SECTION 3										SECTION 4									

L 57089-65 EWT(1)/EPF(n)-2/EED(b)-3 Pu-4 IJP(c) WW

ACCESSION NR: AP5014528

UR/0069/65/027/003/0425/0427
541.182.8:534.29

AUTHOR: Podol'skiy, A. A.; Turubarov, V. I.

TITLE: Drift of aerosol particles in an acoustic field associated with an asymmetrical distortion in the shape of the sound wave 21

SOURCE: Kolloidnyy zhurnal, v. 27, no. 3, 1965, 425-427

TOPIC TAGS: aerosol, acoustic field, sound wave

ABSTRACT: The behavior of particles in a strong acoustic field has many characteristics associated with the manifestation of second-order effects. One such characteristic is the unidirectional motion or drift of aerosol particles in the acoustic field; this drift plays an important part in the phenomena of coagulation, separation, etc. In an asymmetrical distortion of the shape of the sound wave, the aerosol particles carried along by the gaseous medium execute a nonsinusoidal oscillatory motion. If the asymmetry is such that the shape of the sound wave is not expressed by an even or odd function, a unidirectional motion of the aerosol particles takes place. The authors calculated the drift velocities by a graphical analysis.

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L 57089-65

ACCESSION NR: AP5014528

tical method. For the function $g = \sin \omega t + m \sin(2\omega t + 2\psi)$, the segments a_{i+1} where $g^+ = g > 0$, and $a_{k+1} - a_k$, where $g^- = g < 0$ were determined graphically, then the average value of $\overline{u|u|}$ for the period of the frequency ω was found by using the formula

$$\overline{u|u|} = \frac{\mu_1^2 u_1^2}{2\pi} \left(\sum_i \int_{a_i}^{a_{i+1}} (g^+)^3 d\omega t - \sum_k \int_{a_k}^{a_{k+1}} (g^-)^3 d\omega t \right)$$

The formulas for determining the force and velocity of the drift resulting from the distortion of the wave shape are

$$\overline{F} = \frac{9}{4} \pi r^2 \rho \overline{u|u|}, \quad \overline{v} = \frac{3}{8\eta} r \rho \overline{u|u|}.$$

Graphs were plotted for the drift velocity as a function of the radius of the aerosol particles r , angle of shift between the harmonics ψ , and relative amplitude of the second harmonic h . Orig. art. has: 4 figures and 6 formulas.

ASSOCIATION: Leningradskiy institut aviatsionnogo priborostroyeniya (Leningrad)

Card 2/3

L 57089-65

ACCESSION NR: AP5014528

Institute of Aviation Instrumentation)

SUBMITTED: 27Mar64

ENCL: 00

SUB CODE: GP

NO REF SOV: 001

OTHER: 001

Card 3/3

L 31521-66 EWT(1)/FCC IJP(c) WW/GW

ACC NR:

AP6007994

SOURCE CODE: UR/0046/66/012/001/0031/0038

AUTHOR: Denisov, A. S.; Dianov, D. B.; Podol'skiy, A. A.; Turubarov, V. I.

52
B

ORG: Leningrad Institute of Aviation Instrument Building (Leningradskiy institut aviatsionnogo priborostroyeniya); Leningrad Electrotechnical Institute im. V. I. Ul'yanov (Lenin) (Leningradskiy elektrotekhnicheskiy institut)

TITLE: Drift of an aerosol particle in an acoustic wave distorted by the presence of the second harmonic

SOURCE: Akusticheskiy zhurnal, v. 12, no. 1, 1966, 31-38

TOPIC TAGS: acoustic wave, aerosol, harmonic function, acoustics

ABSTRACT: The authors investigate the fundamental characteristics of drift due to the asymmetric form of an acoustic wave which may substantially affect the process of acoustic coagulation of aerosols. Approximate formulas are obtained for the determination of particle drift velocity in an acoustic wave distorted by the presence of the second harmonic, reflecting the relationships of drift velocity to such parameters as frequency, particle radius, and the slip angle of the second harmonic. It is demonstrated that there is a maximum of particle drift velocity as a function of particle frequency; with increasing frequency the maxima shift to the region of smaller radii and decrease in magnitude. It is found that for different dimensions of the particles the drift assumes a zero value at certain angles of phase shift. For a

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UDC: 534.29:541.182.21.3

L 31521-66

ACC NR: AP6007994

traveling wave of finite amplitude, the drift of aerosol particles is directed against the wave propagation, and, at moderate sound intensities, may reach several cm/sec. The theoretical results obtained are compared with the precise results obtained by solving the initial equation on a simulating electronic computer. Orig. art. has: 6 figures and 16 formulas.

SUB CODE: 20 / SUBM DATE: 28Nov64 / ORIG REF: 003 / OTH REF: 003

Card 2/2 mc

L 36277-66 EWP(m)/EWT(1)/FCC IJP(c) GW/WW/RO

ACC NR: AP6016839

SOURCE CODE: UR/0046/66/012/002/0266/0269

AUTHOR: Podol'skiy, A. A.; Turabarov, V. I.

ORG: Leningrad Institute of Aviation Instrument Building (Leningradskiy institut aviatsionnogo priborostroyeniya)

TITLE: Contribution to the theory of mutual approach of aerosol particles in a sound field in the case of Stokes flow conditions

SOURCE: Akusticheskiy zhurnal, v. 12, no. 2, 1966, 266-269

TOPIC TAGS: aerosol, coagulation, hydrodynamics, acoustic effect, acoustic field

ABSTRACT: After pointing out some inaccuracy in earlier investigations on the subject, the authors consider the hydrodynamic interaction between the aerosol particles with allowance for the change of the distance between particles, due to the difference in the amplitudes and phases of vibrational motion of particles. The analysis is restricted to the case when the distance between particles is much larger than the particle radius. A system of equations is developed for the motion of the aerosol particles in the sound field, accurate to second-order quantities with respect to the distance between particles. Approximation solution of the equations shows that pairs of particles of unequal size do come closer together under the influence of the field. The rate of approach of the particles obtained by an approximate method and by computer calculation are in good agreement. The rate of approach decreases with increasing distance between particles and with decreasing difference between their sizes,

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UDC: 534.29

L 36277-66

ACC NR: AP6016839

being of the order of 10^{-3} - 10^{-4} cm/sec at 500 cps and of the order of $1 - 10^{-1}$ cm/sec at 10,000 cps. At large distances between particles, the velocity of the Stokes approach is therefore small and cannot exert noticeable influence on the coagulation of the aerosol particles. At small distances, however, the particles have a sufficiently large approach velocity, amounting to $1 - 10^{-1}$ cm/sec. Orig. art. has: 3 figures and 8 formulas.

SUB CODE: 20/ SUBM DATE: 24Apr65/ ORIG REF: 004

nd
Card 2/2

DENISOV, A.S.; PODOL'SKIY, A.A.; TURUBAROV, V.I.

Entrainment of aerosols in a sound field at Reynolds number: 41.
Akust. zhur. 11 no.1:115-116 '65. (MIRA 18:4)

1. Leningradskiy institut aviatsionnogo priborostroyeniya.

ACC NR: AR7000898

SOURCE CODE: UR/0058/66/000/009/H057/H057

AUTHOR: Podol'skiy, A. A.; Turubarov, V. I.

TITLE: Dependence of the degree of ambient flow of aerosol particles on the amplitude of the acoustic field at Reynolds numbers $0.5 \leq Re \leq 1$

SOURCE: Ref. zh. Fizika, Abs. 9Zh406

REF SOURCE: Tr. Leningr. in-t aviats. priborostr. vyp. 45, 1965, 60-63

TOPIC TAGS: aerosol, acoustic field, ambient flow, Reynolds number, aerosol particle, aerosol motion, nonlinear equation, vibration velocity

ABSTRACT: An analysis is made of the motion of aerosol particles in an acoustic field at Reynolds numbers $Re \leq 1$. An analytical correlation between the coefficient of ambient flow and the amplitude of the acoustic field is obtained from an approximate solution of a nonlinear equation for particle motion. An increase in the amplitude of the field was found to produce a decrease in the degree of stream-line flow and the angle of shift in the phase of the vibration velocity of the particle relative to the medium. [Translation of abstract] [SP]

SUB CODE: 20/

Card 1/1

BULANZHE, Yu.D., doktor fiziko-matem.nauk, otv.red.; PODOL'SKIY, A.D.,
red.; KOVAL'SKAYA, I.F., tekhn.red.

[Gravimetric research; collection of articles] Gravimetricheskie
issledovaniia; sbornik statei. XIII razdel programmy MGG (gravi-
metriia). Moskva. No.1. 1960. 61 p. (MIRA 13:12)

1. Akademiya nauk SSSR. Mezhdunarodnyy komitet po provedeniyu
Mezhdunarodnogo geofizicheskogo goda.
(Gravity) (Tides)

AVSYUK, G.A., otv.red.; OGANOVSKIY, P.N., otv.red.; PODOL'SKIY, A.D., red.;
YEGOROVA, N.F., tekhn.red.

[Glaciological research; collection of articles] Gliatsiologicheskie issledovaniia; sbornik statei. IX razdel programmy MGQ (gliatsiologiya). Moskva. No.5. 1960. 133 p.

(MIRA 13:12)

1. Akademiya nauk SSSR. Mezhdunarodnyy komitet po provedeniyu Mezhdunarodnogo geofizicheskogo goda. 2. Chlen-korrespondent AN SSSR (for Avsyuk).
(Glaciological research)

BARBUKOV, O.M.; TROITSKAYA, V.A.; PODOL'SKIY, A.D., red.; MARKOVICH,
S.G., tekhn.red.

[Soviet stations for earth currents] Sovetskie stantsii
zemnykh tokov. Moskva, 1959. 21 p. (MIRA 13:10)
(Magnetism, Terrestrial--Observatories) (Earth currents)

PODOL'SKIY, A.M.; NUMEROV, S.V.; GOLIKOV-ZAVOLZHENSKIY, I.V.; MINTS, M.V.;
LARIN, V.N.

Tantalum in alaskites and subalkaline **granites** in the eastern part
of central Kazakhstan. Geokhimiia no.5:574-581 My '65. (MIRA 18:9)

1. TSentral'no-Kazakhstanskoye geologicheskoye upravleniye.

PODOL'SKIY, A.M.; GOLIKOV, I.V.; BUROVA, T.A.

Eschynite from greisens developing in alaskites. Trudy Min.muz.
no.16:175-186 '65. (MIRA 18:8)

PODOL'SKIY, A.M.

Complaints of television owners. Vest. sviazi 22 no.11:20-21 H
'62. (MIRA 16:12)

1. Direktor televizionnogo atal'ye No.1 g. Kalinina.

PODOL'SKIY, A.M.

Mineralogical and geochemical characteristics of granites in
some massifs in the northern part of central Kazakhstan in
connection with their ore potential. Biul. MGIP. ~~Old~~ geol. 37
no.3:125 My~~in~~ '62. (MIRA 15:10)
(Kazakhstan—Granite)

KAZANTSEV, F.N., kand. med. nauk (Kazan', 61, ul. Kosmonavtov, d.5, kv.53);
PODOL'NIY, A.N.; NAKHLOVA, Z.V.

Anesthesia in surgery for scoliosis. ortop., travm. i protsz. 26
no.2:70-71 F '65. (MIRA 18:5)

1. Iz Kazanskogo instituta travmatologii i ortopedii (dir. - starshiy
nauchnyy sotrudnik U.Ya. Bogdanovich).

Country : USSR
Category : Cultivated Plants. General.

M

Abs Jour : RZhBiol., No 6, 1959, No 24785

Author : Podol'skiy, A. S.
Inst : Stalingrad Agrometeorological Station.
Title : Effect of the Heat Factor on the Development
of Agricultural Plants and Agricultural Pests
(Experimental and Mathematical Thermophenology).
Orig Pub : S.-kh. Tadzhikistana, 1957, No. 4, 21-31

Abstract : A new method (experiments of the Stalingrad
Agrometeorological Station) is proposed instead
of the old one of effective temperature totals
in the prognostic solution of agroclimatic, ope-
rative and other problems. The onset period of
this or that phase of plant or insect develop-
ment is calculated by the date of the preceding

Card : 1/3

PODOL'SKIY, A. S.

"Influence of the Heat Factor on the Development of Agricultural Plants and Agricultural Blight," Experiments with the cotton Plant. Sel'skoye Khozyaystvo Tadzhikistana, No. 4, pp. 21-31, 1957.

PODOL'SKIY, A.S.

New method of phenological prognoses and agroclimatic estimations
based on the thermal factor. Dokl. AN SSSR 121 no. 5:932-935 Ag '58.
(MIRA 11:10)

1. Predstavleno akademikom A.L. Kursanovym.
(Crops and climate)

SOV/10-59-4-10/29

3(7)

AUTHOR: Podol'skiy, A.S.

TITLE: Climatic Peculiarities of Mountain Slopes

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 4, pp 85-90 (USSR)

ABSTRACT: The article is concerned with meteorological studies carried out by the El'brusskaya ekspeditsiya Geofizicheskogo instituta AN SSSR (Elbrus Expedition of the Institute of Geophysics AS USSR) near Mount Elbrus from May to September 1952. The studies found out how much the mountains affect the atmosphere with regard to temperature, humidity, and vapor elasticity. There were two kinds of studies - conventional meteorological studies and aerological investigations, both conducted at the following mountain points: 1) Terskol observatory, 2,140 m above sea level; 2) Terskol peak weather station, 3,080 m; and 3) Elbrus observatory, 4,970 m. The studies were completed by air-sounding by

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SCV/10-59-4-10/29

Climatic Peculiarities of Mountain Slopes

a balloon near Mount Elbrus (Figure 4). This action was supervised by Member Correspondent of the AS USSR Ye.Ye. Fedorov. The article also mentions the names of the following scientists: A.Kh. Khrgian, Ye.S. Selezneva, and P.A. Vorontsov. There are 2 sets of graphs, 1 graph, 5 tables, and 1 diagram.

ASSOCIATION: Tadzhikskiy nauchno-khozyaystvennyy institut (Tadzhik Institut of Agriculture)

Card 2/2

PODOL'SKIY, A.S., Cand Geog Sci -- (diss) "Temperature and humidity of mountain slopes in contrast to free atmosphere." Tashkent, Pub House of the Central Asian State Univ, 1959, 16 pp (Min of Higher Education USSR. Central Asian State Univ in V.I. Lenin) 150 copies (KL, 33-59, 117)

- 11 -

SOV/20-121-5-45/50

AUTHOR:

Podol'skiy, A. S.

TITLE:

A New Method for Phenologic Prognoses and Agroclimatic Estimations Based on the Temperature Factor (Novyy metod fenologicheskikh prognozov i agroklimaticheskikh otsenok po teplovomu faktoru)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 5, pp 932-935 (USSR)

ABSTRACT:

The dependence of the development of plants and insects on the temperature factor is generally considered to be specified by a hyperbolic function: $n = A/(t_{\text{average}} - B)$ (1), or as a linear function $1/n = (t_{\text{average}} - B)/A$ (2), where n - the period between the phases in days, t_{average} - the average temperature of the period between the phases, B - the lowest limit of the effective temperatures and A - the sum of the effective temperatures. A and B are constant under the condition that (1) is a regular hyperbolic function. At the point which corresponds to the optimum temperature the values A and B lose their sense as biological conceptions. Hence the

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A New Method for Phenologic Prognoses and
Agroclimatic Estimations Based on the Temperature Factor

SOV/20-121-5-45/50

method using these temperature sums is, therefore, useless for the solution of phenological problems. The values A and B appear to be conditional not only for the zones of optimum temperatures. Figure 1 shows the result of field-investigations at the agrometeorological station "Stalinabad" (agrometeorologicheskaya stantsiya) in the Hissar-Valley (Gissarskaya dolina) in the **Tadzhik SSR**. (TadzhSSR = Tadzhikskaya SSR). Another method has replaced the method using temperature sums. This new method must be free from the conceptions of temperature sums and temperature limits. The method is suggested in this paper: it is based on the use of the nomograph developed by the author (Fig 2). The temperature system of the nomograph as well as the curves of development of plants (or insects) are based entirely on factual observations. For each climatic region a separate network of temperature is necessary. There are 2 figures.

Card 2/3

PODOL'SKIY, A.S.

Barometric leveling (more precise method of altimeter correction).
Trudy Geofiz.inst. no.22:117-126 '54. (MIRA 8:4)
(Altitude--Measurement)

L 23380-65 EWT(1)/FCC GW
ACCESSION NR: AR5002529

S/0169/64/000/010/B056/B056

SOURCE: Ref. zh. Geofizika, Abs. 10B345

AUTHOR: Podol'skiy, A. S.; Brudnaya, A. F.

TITLE: Methods for more specific and accurate computation of frosts by the Mikhalevskiy method as applied to the area of the Dushanbe agrometeorological station

CITED SOURCE: Sb. rabot Dushanbinsk. gidrometeorol. observ., vyp. 1, 1964, 67-75

TOPIC TAGS: agrometeorology, frost, advection frost, radiation frost, air temperature

TRANSLATION: The authors have introduced refinements into the Mikhalevskiy formula for precomputation of radiation frosts: $M = T_1 - (T - T_1) \cdot C$, where M is the expected minimum air temperature, T is the temperature indicated by the dry- and T_1 is the temperature indicated by the wet-bulb thermometers at 1300 hours, and have refined the coefficient C, which is dependent on relative air humidity. The authors used not only cases of a negative temperature decrease, but also cases of nighttime radiation temperature decreases having a positive value. It was found that the values of the coefficient C, computed from observations in the Gissar

Coro 1/2

L 23380-65
ACCESSION NR: AR5002529

valley, differ from the values obtained by Mikhalevskiy from data for Trans-caucasian stations. These differences increase with increasing relative humidity of the air. The only exception is the humidity range 15-25%. On the basis of phytoclimatological observations, the authors constructed curves for conversion from minimum air temperatures in the psychrometric enclosure to the minimum temperatures at the level of the active surface of truck garden crops (2 cm), a cotton field and vineyard (118 cm). The success rate of computation of nighttime radiation decreases of temperature at a height of 2 m using the refined coefficients is 82%, provided that the computed values of the minima are considered unsuccessful when the error is greater than $\pm 1.3^\circ\text{C}$. The article includes an analysis of local criteria of radiation and advection frosts and also the principal synoptic conditions accompanying them, Yu. Mel'nik

SUB CODE: ES

ENCL: 00

Cord 2/2

ACC NR: AP6032902

SOURCE CODE: UR/0062/66/000/009/1575/1581

AUTHOR: Podol'skiy, A. V.; German, L. S.; Knunyants, I. L.

ORG: Institute of Organometallic Compounds, Academy of Sciences, SSSR (Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR)

TITLE: Reactions in anhydrous hydrogen fluoride. Report No. 5, Fluoroaminomethylation and fluoroacylaminomethylation of haloolefins

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 9, 1966, 1575-1581

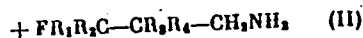
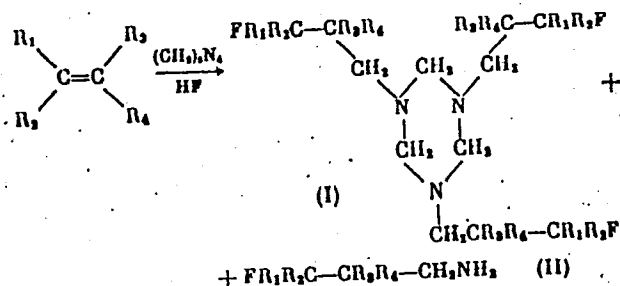
TOPIC TAGS: olefin, hydrogen fluoride, fluorinated organic compound

ABSTRACT: Experiments have shown that urotropin in the presence of HF readily condenses with vinylidene chloride, vinylidene fluoride and trifluoroethylene under very mild conditions (5-20°, atmospheric pressure). With tetrafluoroethylene, the reaction can take place at 50° only under pressure. The main reaction products are the corresponding symmetrical N-fluoroalkyl-substituted hexahydrotriazines (Ia-d) and propylamines (IIa-d).

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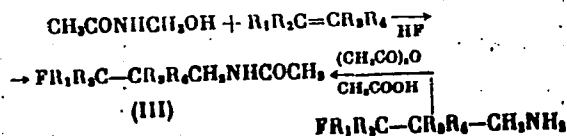
UDC: 542.91+547.233+661.723-16

ACC NR: AP6032902



- a) $R_1 = R_2 = \text{Cl}; R_3 = R_4 = \text{H}$ c) $R_1 = R_2 = R_3 = \text{F}; R_4 = \text{H}$
 b) $R_1 = R_2 = \text{F}; R_3 = R_4 = \text{H}$ d) $R_1 = R_2 = R_3 = R_4 = \text{F}$

It was also found that methylolacetamide in HF reacts with the above haloolefins at room temperature (tetrafluoroethylene requires heating) to yield acetyl derivatives of the corresponding propylamines (IIIa-d). The same products were obtained by reverse synthesis



- a) $R_1 = R_2 = \text{Cl}; R_3 = R_4 = \text{H}$ c) $R_1 = R_2 = R_3 = \text{F}; R_4 = \text{H}$
 b) $R_1 = R_2 = \text{F}; R_3 = R_4 = \text{H}$ d) $R_1 = R_2 = R_3 = R_4 = \text{F}$

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ACC NR: AP6032902

Authors thank E. I. Fodin and P. V. Petrovskiy for taking and interpreting the spectra. Orig. art. has: 1 table.

SUB CODE: 07/ SUBM DATE: 15Apr66/ ORIG REF: 013/ OTH REF: 001

Card 3/3

SUSLOV, Nikolay Ivanovich, inzh.; GROGPR'YEV, A.; elseu Dmitriyevich,
kand. tekhn.nauk; PIMENOV, Igor' Veniaminovich, inzh.;
SUSOROVA, Valentina Ivanovna, inzh.; KRESTNIKOV, Yevgeniy
Pavlovich, inzh.; MOROTSKAYA, Valentina Ivanovna, inzh.;
BASARGINA, Tamara Vasil'yevna, inzh.; ZAYTSEV, Pavel
Aleksseyevich, inzh.; PODOL'SKIY, A.V., inzh., retsenzent;
LESIK, A.I., inzh., retsenzent; BASARGINA, T.B., inzh.,
retsenzent; BAGIN, Yu.I., inzh., retsenzent; DUGINA, N.A., red.

[Nonmetallic materials] Nemetallicheskie materialy; spravochnik.
Pod red. N.I.Suslova. Moskva, Mashgiz, 1962. 360 p.
(MIRA 16:3)

(Nonmetallic materials)

PODOL'SKIY, A.Ye. (Moskva)

Histochemical study of the lipids in cholesterosis of the gallbladder.
Ark. pat. 27 no.10:60-66 '65. (MIRA 18:10)

1. Patologoanatomicheskiy otdel (zav. - doktor med.nauk N.K.Fermyakov)
Nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V.
Sklifosovskogo (direktor - M.M.Tarasov).

PODOL'SKIY, B.M., podpolkovnik med.sluzhby

Thermostat with combined preheater. Voen.-med.zhur. no.7:94 J1 '58.
(MIRA 12:12)

(HEATING
thermostat for mobile med. laboratories (Rus))
(LABORATORIES,
same)

PODOL'SKIY, B.M.

Regeneration and reuse of hacto-agar "Zh" and "P". Lab. delo
no. 6:21-34 N-D '55. (MIRA 12:6)
(AGAR,
re-use)

PODOL'SKIY, B.M., polkovnik meditsinskoy sluzhby

Effectiveness of dysentery bacteriophage. Voen.-med. zhur.
no.4:38-39 Ap '61. (MIRA 15:6)
(BACTERIOPHAGE) (DYSENTERY)

17(8)

SOV/177-58-7-26/28

AUTHOR: Podol'skiy, B.M., Lieutenant-Colonel of the Medical Corps

TITLE: Thermostat With Combined Heating

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 7, p 94 (USSR)

ABSTRACT: The author criticizes the fact that portable sanitary-epidemiological laboratories are equipped with kerosene thermostats which do not meet the demands. He describes a usual field water-thermostat used in his laboratory and suggests to equip kerosene thermostats with removable electric standard heaters and thermoregulators. There is 1 diagram.

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15

Stability of chloride of lime. M. AGREV AND B. PODOL'SKII. *Ukrain. Khim. Zhur. 6, Tech. pt. 115 21(1931).*—A discussion is given of the known causes of rapid decompn. of chloride of lime in storage.

CHAS. BLANC

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION

PODOLSKIY, F.

"Electrodynamic loudspeakers of the A. S. Popov Riga Factory VTU-20, Plant power supply from an A. C. network."

So. Radio, Vol. 5, p. 21, 1952

PODOL'SKIY, F.

"Current supply for the VTU-20 set from an alternating current net," Radio, No. 5,
Publ. of the Min. of Communication, 1952.

PODOL'SKIY, F.

Radio - Transmitters and Transmission

Feeding the set VTU-20 from an alternating current network. Radio no. 5, 21, 1952

9. Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1953~~, Uncl.

PODOL'SKIY, F. D.

32786. DINABURG, A. D. i PODOL'SKIY, F. D. Smeshcheniya pri opunkholyakh golovnoy mozga v rentgenologicheskoy otobrazhenii. Trudy kievsk. Nauch.-issled. Psikhonevrol. In-ta, T. XII, 1949, s. 67-75, 208-09

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

PODOL'SKIY, F.D., kand.med.nauk (Kiyev, Vladimirska ul., d.81, kv.22)

X-ray diagnosis of lesions of the cervical intervertebral disks. Vest.
rent. i rad. 34 no.4:24-31 J1-Ag '59. (MIRA 12:12)

1. Iz neyrorentgenologicheskogo otdela (zav. - prof. Ya.I. Geynisman)
Ukrainskogo instituta neyrokhirurgii (dir - zasluzhennyi deyatel'
nauki prof. A.I. Arutyunov).
(INTERVERTEBRAL DISK dis.)

GEYNISMAN, Ya.I.; PANKEYEVA, L.P.; PODOL'SKIY, F.D.

Radiographic changes in the skull in brain tumors of varying
histostructure. Probl.neirokhir. 4:131-147 '59. (MIRA 13:11)

(SKULL--RADIOGRAPHY)

(BRAIN--TUMORS)

17

PROCESSING AND PROPERTIES INDEX

***The Quenching of Aluminum Alloy Pistons in Boiling Water.** I. Podolskiy (Metallurgy (Metallurgiya), 1966, (11), 99-101).—[In Russian.] Experiments on quenching an aluminum alloy containing copper 11-13, magnesium 0-2, lead 0-1, bismuth 0-1, nickel 0-5-1-2, manganese 0-2, silicon 0-7, antimony 0-2, and iron 1-0%, after a 45 minutes' anneal at 510°-520° C. in boiling water, 0-5% sodium hydroxide solution, and cold water-glass showed that boiling water quenching is the equivalent of oil quenching. After quenching in boiling water and tempering at 220° C. for 2 hrs. the Brinell hardness is 107 and the tensile strength 15-05 kg./mm.², whereas after oil quenching the corresponding values are 121 and 15-8 kg./mm.².—N. A.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX		PROCESSING INDEX		PROPERTIES INDEX	
GROUP	ALPHA	GROUP	ALPHA	GROUP	ALPHA
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A052/A126

AUTHOR: Podol'skiy, G.P.

TITLE: Determination of disposable time-section of exhaust and admission ports of free piston engines with a single-stage compressor

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, 39. Dvigateli vnutrennego sgoraniya, no. 1, 1963, 43, abstract 1.39.263 (Tr. Khar'kovsk. aviats. in-ta, no. 20, 1960, 19 - 27)

TEXT: A method of analytical calculation of the disposable time-section for free-piston engines is given.

[Abstracter's note: Complete translation]

Card 1/1

PODOL'SKIY, G.Sh. (Moskva)

Stability and strength of thin-walled rods. Inzh.zhur. 1 no.2:
175-181 '61. (MIRA 14:12)

(Elastic rods and wires)

PODOL'SKIY, IVAN SERAFIMOVICH.

Stroitel'naya mekhanika. Moskva, Gosizdat i Izd. Akademii vozdushnogo flota, 1924, 3 v. in 2, diagsr. (Inzhenerno-promyshlennaya biblioteka. B. Seriya 4, No. xiii-3)

v. 1 includes bibliographies.

Title tr.: Structural mechanics. (A course based on lectures delivered at Moscow Air Fleet Academy).

Contents: 1. Soprotivlenie materialov (Strength of materials). 2. Ustoichivost' so-ruzhenii (Stability of structures). 3. Raschet podpornykh sten i osnovanii (Design of bulk-heads and foundations).

TA405. P57

SD: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

PODOL'SKIY, IVAN SERAFIMOVICH

Stroitel'naia mekhanika. Moskva, Gos. tekhn. izd-vo, 1924. 3 v. in 2. diags.
(Inzhenerno-promyshlennaia biblioteka. B. Seriya 4, No.XIII-3)

Title in English, French and German. Vol. 1 includes bibliographies.

Contents.-ch.1. Soprotivlenie materialov. -otdel 2. Ustoichivost'
sooryzhenii. -otdel 3. Raschet podpornykh sten i osnovanii.

Structural mechanics. v.1. Strength of materials. v.2. Stability
of structures. v.3. Calculations of bulkheads and foundations.

DLC: TA405.P57

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.